

ABSTRACT

A device for monitoring the fuel pressure in the fuel feed circuit (7) of a fuel injection internal combustion engine (2), which comprises at least one cylinder (2) and one exhaust line (6) for the combustion gases, characterized in that said device comprises means (8) for generating a value for measuring the fuel/air ratio of the exhaust gases in said exhaust line (6), means (9) for generating a value for measuring the fresh air flow rate into said cylinder (2), means (10) determining the mechanical opening time of the injector (4), and computation means (1) for determining a reconstituted fuel pressure value from said value for measuring the fuel/air ratio of the exhaust gases, from said value for measuring the fresh air flow rate and from said mechanical opening time of the injector.

Figure 1